



HEATING & COOLING

**50JZ-1SB**

**50JZ 024-060  
HIGH-EFFICIENCY  
SINGLE-PACKAGE  
ELECTRIC HEAT PUMP UNITS  
with optional ELECTRIC HEAT**

- PERFORMANCE DATA**
- CERTIFIED DIMENSION PRINT**
- CERTIFIED ROOF CURB  
DIMENSION PRINT**



© 2000 Carrier Corporation

Date:	Supersedes:	50JZ024-060 Single-Package Electric Heat Pump Units	50JZ	Rev.:
JOB DATA:		LOCATION:		
BUYER:		BUYER P.O. #	CARRIER #	
UNIT NUMBER:		MODEL NUMBER:		
PERFORMANCE DATA CERTIFIED BY:			DATE:	



50JZ units are high-efficiency, self-contained, electric heat pump units designed for easy installation and maintenance and dependable performance. All units have discharge openings for either horizontal or downflow configuration, and all have low sound levels. Units are intended for outdoor installation and may be located on a rooftop, or a ground-level concrete slab, or directly on the ground if local codes permit. This unit features Puron® refrigerant, which is environmentally sound.

## FEATURES

- Puron® refrigerant, the environmentally friendly alternative.
- Energy Star Rated.
- Standard five year limited warranty.
- 10 year warranty on the compressor.
- Unit is certified and listed by UL and c-UL. Unit is rated in accordance with ARI Standard 210.
- Low sound ratings; as low as 72 dB.
- Units are pre-wired, pre-piped, and pre-charged for minimum installation expense.
- 12 SEER cooling efficiency.
- Compressor vibration isolation provides quieter operation.
- Easily converted for downflow operation with included horizontal duct covers.
- Cabinets are constructed of heavy-duty, phosphated, zinc coated pre-painted steel capable of withstanding 500 hours in salt spray.
- Easy-to-service cabinets with single-panel accessibility.

- Liquid refrigerant driers promote clean, unrestricted operation.
- Direct-drive multi-speed, permanent split capacitor (PSC) indoor motor is standard.
- Direct-drive, PSC outdoor fan motor.
- Coils constructed of aluminum fins bonded to copper tubes.
- Louvered grille provides hail and vandalism protection.
- Envirotuff rust-proof unit base pan.
- Sloped drain pan minimizes standing water in the unit.
- High and low/loss of charge pressure switches to ensure proper performance and longer compressor life.
- Refrigerant service connections make checking operating pressures easier.
- Copper & pre-coated fin coils are available from the factory by special order, for use in corrosive environments.
- Three-phase units available.

## PERFORMANCE DATA

Unit Operating Weight \_\_\_\_\_ lb (unit); \_\_\_\_\_ lb (curb)

### COOLING

Net Total Capacity \_\_\_\_\_ Btuh

Net Sensible Capacity \_\_\_\_\_ Btuh

Compressor Power Input \_\_\_\_\_ kW @ \_\_\_\_\_ °F

Outdoor-Air Temperature

Indoor Entering-Air db \_\_\_\_\_ °F wb \_\_\_\_\_ °F

Seasonal Energy Efficiency Ratio \_\_\_\_\_

CFM \_\_\_\_\_ Ext. Static Pressure \_\_\_\_\_ in. wg

Indoor Fan Motor \_\_\_\_\_ Hp \_\_\_\_\_ Rpm \_\_\_\_\_ Bhp

### HEATING

Power Input To Unit \_\_\_\_\_ kW

Integrated Capacity \_\_\_\_\_ Btuh

Indoor Operating Temp \_\_\_\_\_ °F db

Outdoor-Air Temp \_\_\_\_\_ °F (Winter Design)

COP/HSPF \_\_\_\_\_ Hi \_\_\_\_\_ Lo

Electric Capacity Required \_\_\_\_\_ Btuh

Rating @ 70° R.H. \_\_\_\_\_ KW Heater Selected

\_\_\_\_\_ Heat/Cool Ratio

## ELECTRICAL DATA

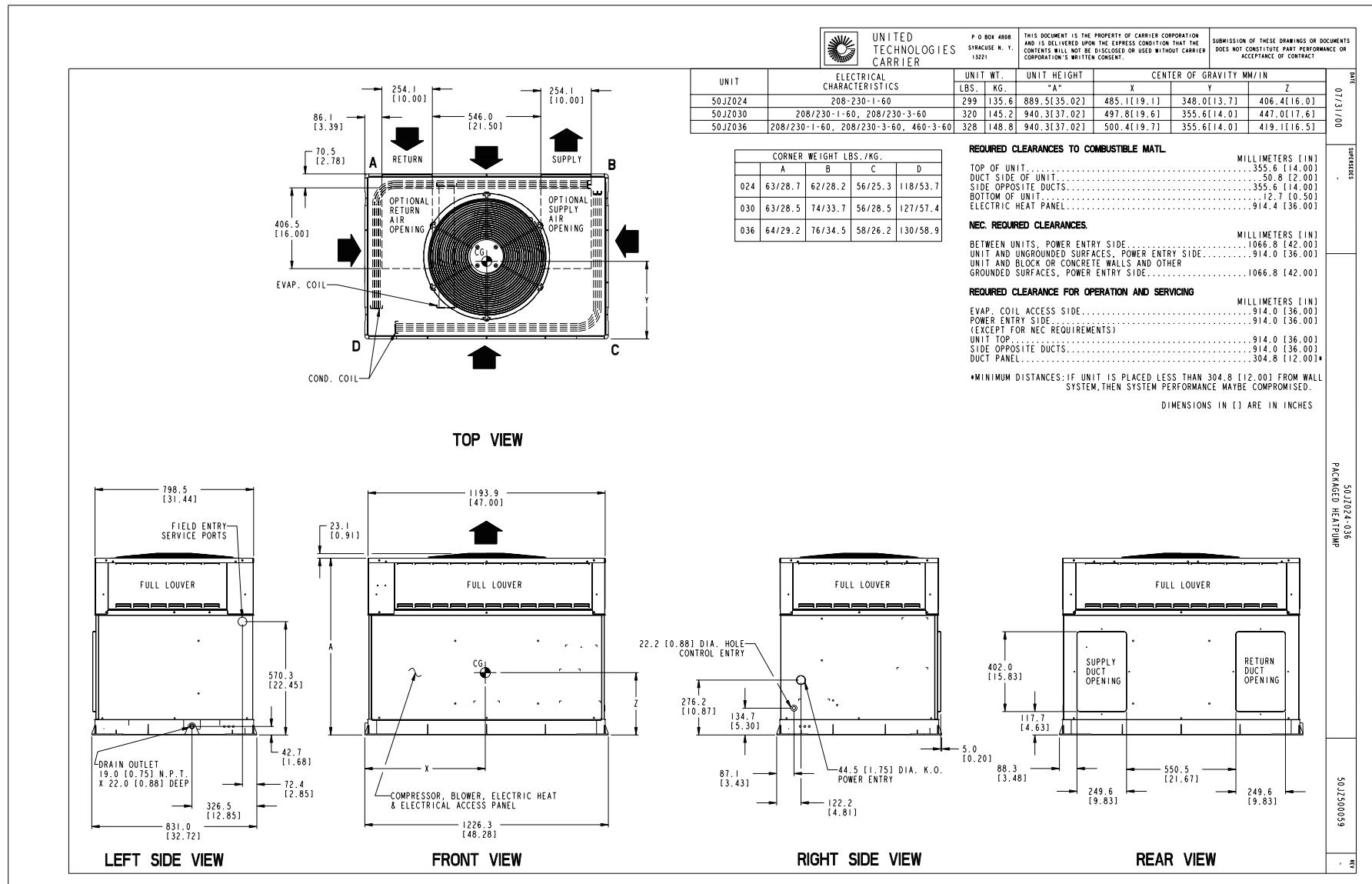
Unit Power Supply \_\_\_\_\_ Volts \_\_\_\_\_ Phase \_\_\_\_\_ Hz  
Minimum Circuit Amps \_\_\_\_\_ Maximum Overcurrent Protection \_\_\_\_\_

## FIELD-INSTALLED ACCESSORIES

<input type="checkbox"/> Economizer	<input type="checkbox"/> Crankcase Heater
<input type="checkbox"/> Manual Air Damper	<input type="checkbox"/> Time Guard® II Device
<input type="checkbox"/> Filter Rack	<input type="checkbox"/> Compressor Hard Start Kit
<input type="checkbox"/> Flat Roof Curb:	<input type="checkbox"/> 0°F Low Ambient Kit
<input type="checkbox"/> 8 in. Height	<input type="checkbox"/> Square-to-Round Duct Transition Kit
<input type="checkbox"/> 14 in. Height	<input type="checkbox"/> Electric Heat Package-5-20KW
<input type="checkbox"/> Thermostat	<input type="checkbox"/> Outdoor Thermostat Kit
<input type="checkbox"/> Programmable	
<input type="checkbox"/> Non-Programmable	

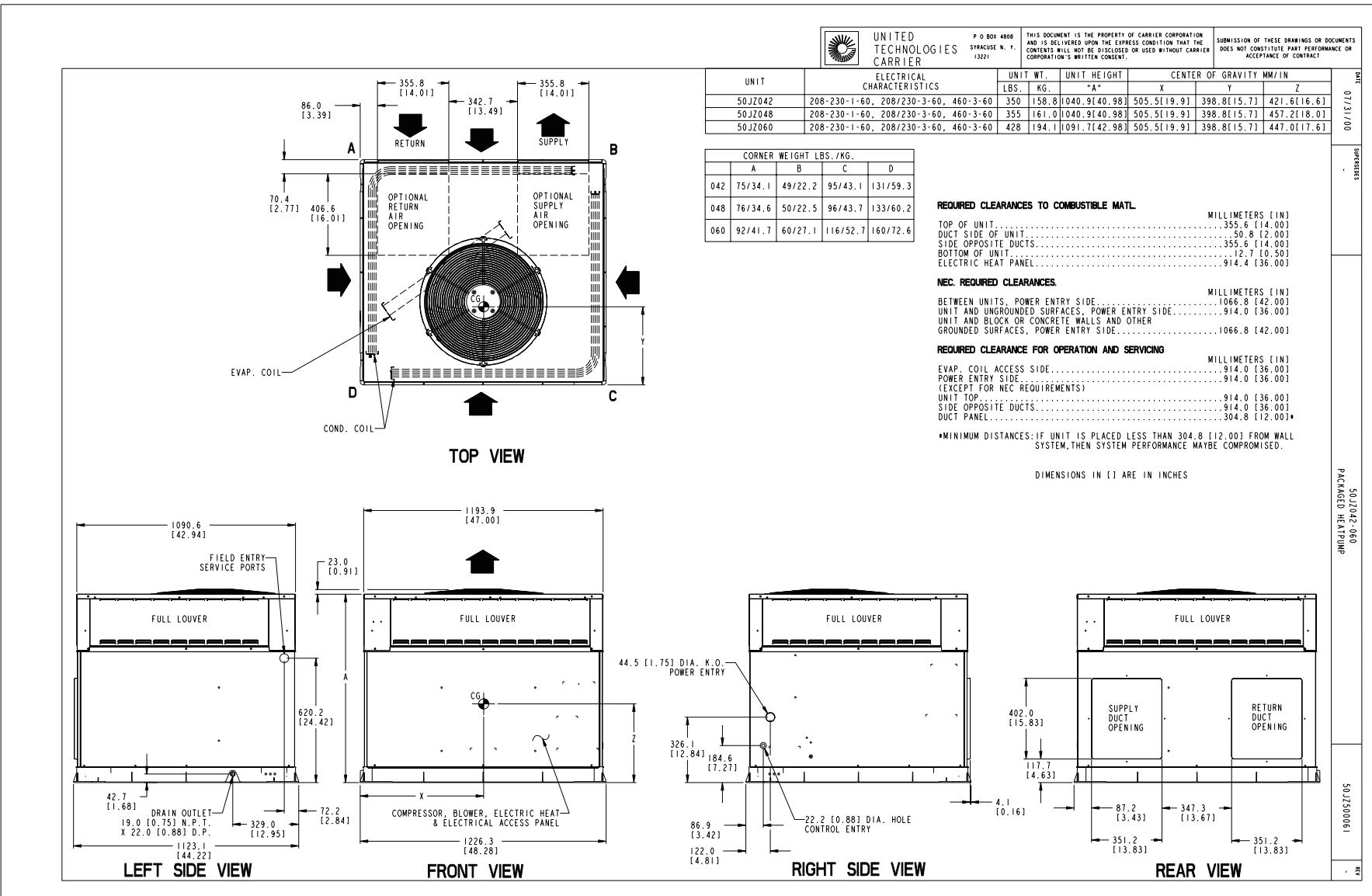
NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# CERTIFIED DIMENSION PRINT



Cut along dotted line

# CERTIFIED DIMENSION PRINT



C00130

# CERTIFIED DIMENSION PRINT

## S U B M I T T A L

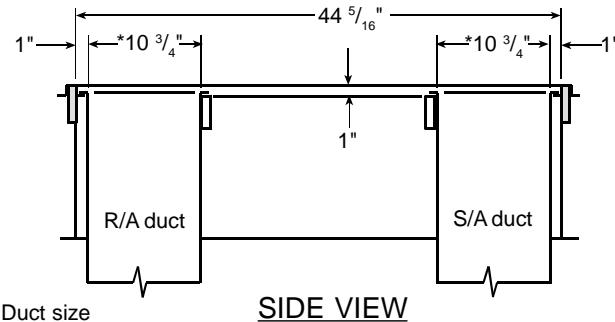
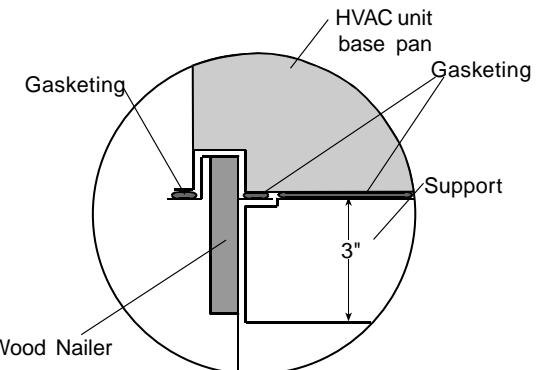
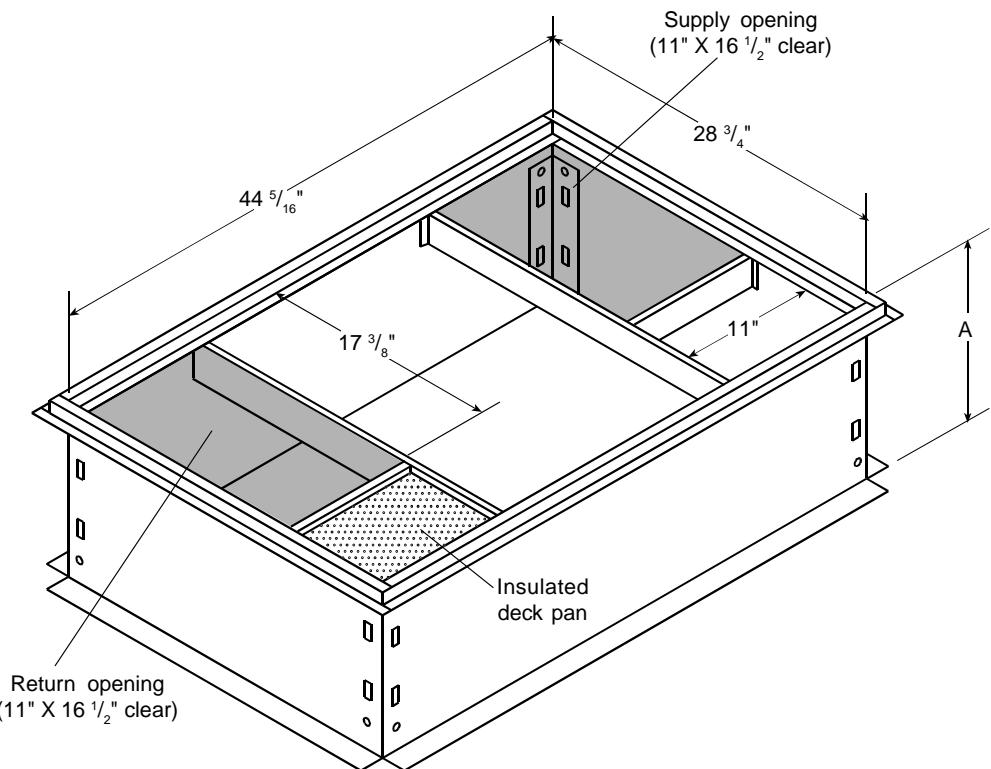
SUBMITTED TO \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DRAWN BY: A.L.L.  
 JOB NAME: \_\_\_\_\_  
 EQUIPMENT: \_\_\_\_\_  
 NOTES: \_\_\_\_\_

## Roof Curb for Small Cabinet

ODS Catalog Ordering No.	A
CPCRFCURB006A00	8"
CPCRFCURB007A00	14"

### Feature:

- Constructed of heavy gage galvanized steel.
- Roof curb ships knocked down in corrugated box.
- Quick-clip design for easy field assembly.
- Insulated deck pan.
- Gasketing package and hardware included.
- Wood nailer provided.



Cut along dotted line

C00077

Cut along dotted line

# CERTIFIED DIMENSION PRINT

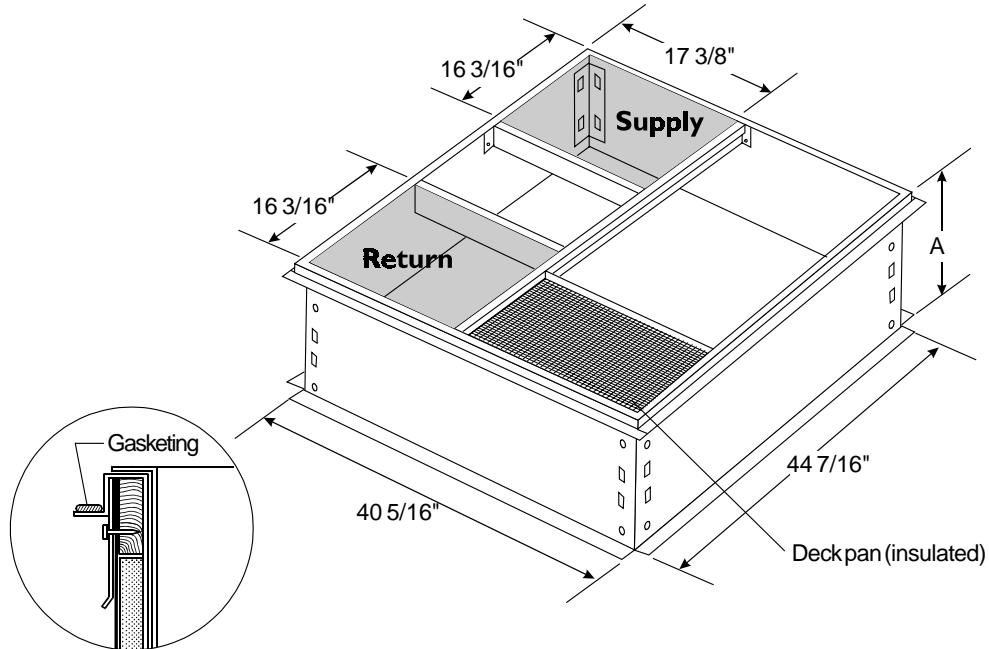
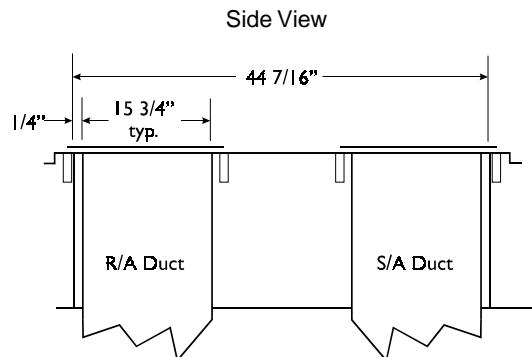
S U B M I T T A L

## Roof Curb for Large Cabinet

SUBMITTED TO: \_\_\_\_\_  
COMPANY: \_\_\_\_\_  
DRAWN BY: M. HARGIS  
JOB NAME: \_\_\_\_\_  
EQUIPMENT: \_\_\_\_\_  
NOTES: \_\_\_\_\_

### FEATURES:

- Constructed of heavy gage galvanized steel.
- Quick-clip design for easy field assembly.
- Ships knocked down w/corrugated box.
- Gasket package for complete outer perimeter flange and around duct openings.
- Wood nailer provided.



ODS Catalog Ordering No.	A
CPRFCURB008A00	8"
CPRFCURB009A00	14"

Carrier Corporation • Indianapolis, IN 46231

12-00



**Carrier**

A United Technologies Company

**Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.**

Book 1 4  
Tab 5a 5a

Page 8

Catalog No. 515-023

Printed in U.S.A.

PC 101

Form 50JZ-1SB

Replaces: New